

HTINTB8
HTINTB9
HTINTB10
INTENSIFIER™ SERIES
WEATHERPROOF COLOR BULLET CAMERA WITH EZ MOUNT

TECHNICAL SPECIFICATIONS

SECURITY SYSTEM DIVISION

LEVEL 1___28 00 00 ELECTRONIC SAFETY AND SECURITY

LEVEL 2___28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 3___28 23 00 VIDEO SURVEILLANCE

PART 2 - PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada), technical assistance program (TAP) from the manufacturer. The TAP shall allow for technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.
- D. All systems and components shall be provided with a 5 business day repair or parts replacement. The repair and parts shall be warranted by the manufacturer on warranty and non warranty items.

2.02 GENERAL SPECIFICATIONS

Speco Technologies HTINTB8 Intensifier Series Weatherproof Color Bullet
Camera with EZ Mount or approved equal.

The DSP color/black-white CCTV camera shall consist of a 1/3-inch format CCD imaging chip.

The DSP camera shall be a high resolution color camera that amplifies and maximizes existing light to generate pictures in darkness and in light without IR LEDs. Intensifier technology enhances low light viewing with no distance limitations.

The DSP color CCTV camera shall meet or exceed the following design and performance specifications:

2.03 COLOR/B-W CCD CAMERA SPECIFICATIONS

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| A. | Day/Night Operation: | Intensifier built-in (selectable from 2x to 128x) |
| B. | Imaging Device: | 1/3-inch Sony HQ-1* color CCD w/customized DSP |
| D. | Lens: | 2.8 to 12mm DC auto iris varifocal lens |
| E. | On Screen Display (OSD): | Built-in controlled by internal joystick |
| F. | Scanning System | |
| a. | NTSC: | 525 lines, 60Hz, 2:1 interlace, 60 fields, 30 frames |
| G. | Picture Elements | |
| a. | NTSC: | 768 (H) x 494 (V) |
| H. | Sensing Area: | 8 mm diagonal |
| I. | Horizontal Resolution: | Color: 560 TV lines |
| J. | White Balance: | ATW/AWC/Manual (1800' K – 10,500K) |
| K. | Electronic Shutter | Auto/Manual |
| a. | NTSC: | 1/60 to 1/100,000 second |
| L. | Iris Control: | Adjustable in auto iris mode |
| M. | Auto Iris Lens Type: | DC drive (adjustable) |
| N. | Gain Control: | Low, Middle, High, Off selectable |
| O. | Speco Light Compensation (SLC): | Low, Middle, High, Off selectable |
| P. | Intensifier: | Adjustable 2X – 128X, off |
| Q. | Electronic Shutter/ Auto Iris Selector Switch: | On/off switchable |
| R. | Reduce Noise: | Low, Middle, High, Off selectable |
| S. | Sharpness: | On/Off (level adjustable) |

T.	Privacy Function:	On/Off (4 programmable zones)
U.	Motion Detection:	On/Off (4 programmable zones)
V.	D/N Color:	Always color/day-night operation
W.	Signal Processing:	Digital signal processing (DSP)
X.	Gamma Correction:	0.45
Y.	Video Output:	1 Vp-p, 75 ohms
Z.	Signal-to-Noise Ratio:	>60 dB
AA.	Minimum Illumination	0.002 Lux (intensifier)/0.03 Lux (shutter)
BB.	Synchronization System:	Internal/ line lock selectable through OSD
CC.	Housing	Tamper resistant aluminum composite/polycarbonate.
IP67 water resistant/weatherproof		

2.04 ELECTRICAL SPECIFICATIONS

A.	Input Voltage:	10-15 VDC +/-10%, 22-28VAC +/-10%
B.	Power Consumption:	230mA (DC)/3.8 (AC) maximum
C.	Video Connector:	BNC
D.	Lens Jack:	Built-in
F.	Video Test Connector	Proprietary cable harness with BNC connector
G.	Power Supply	12V DC & 24A VC (dual voltage)

2.05 ENVIRONMENTAL SPECIFICATIONS

A.	Operating Temperature:	-14° to 122°F (-26° to +50°C)
B.	Storage Temperature:	-40° to 140°F (-40° to +60°C)
C.	Operating Humidity:	up to 95%, noncondensing
D.	Storage Humidity:	up to 95%, noncondensing

2.06 PHYSICAL SPECIFICATIONS

A.	Dimensions:	3.94" W x 4.92" H x 8.19" L (10cm x 12.5cm x 20.8cm)
B.	Weight:	3 lbs. (1.36 kg)

2.07 MECHANICAL SPECIFICATIONS

A.	Lens Mount:	Varifocal proprietary board type
B.	Camera Mount:	Conduit compatible/cable through the mount fully adjustable wall and ceiling with flange. Compatible with EZ mount flange included in box.

2.08 WARRANTY

A.	5 years, parts and labor
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2.09 SPECO TECHNOLOGIES MODEL NUMBERS

A.	HTINTB8:	2.8 to 12mm DC auto iris varifocal lens, dark grey housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.
B.	HTINTB9:	5 to 50mm DC auto iris varifocal lens, dark grey housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.
C.	HTINTB10:	9 to 22mm DC auto iris varifocal lens, dark grey housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.
D.	HTINTB8W:	2.8 to 12mm DC auto iris varifocal lens, white housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.
E.	HTINTB9W:	5 to 50mm DC auto iris varifocal lens, white housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.
F.	HTINTB10W:	9 to 22mm DC auto iris varifocal lens, white housing 10-15 VDC or 22-28 VAC with EZ mount flange* included in box.

*EZ mount flange allows mounting into tough surfaces without jeopardizing the camera.

*Super HQ-1 is a trademark of SONY corporation.